

Patent claims :

1. The calculating method to determine the dynamic unbalance in rotors by the vector calculation which is using with the ratios between the distance lengths of bearings of machines and apparatus and the ratios of the distance length of arbitrarily chosen two correction planes without the test runs attached with trial masses, based on the data consist of magnitudes and directions for the vibration vector quantities of displacement, velocity, or acceleration which originated in dynamic unbalance in rotor, and which are measured at the two bearings of the rotating machines or dynamic balancing machines
2. The computers, measuring instruments and testing facilities, which are directly or indirectly applied or equipped the calculating method to determine the dynamic unbalance in rotor with the vector calculation mentioned in the claim 1.